



PTO/SB/51 (07-03)

Approved for use through 01/31/2004. OMB 0651-0033

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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## REISSUE APPLICATION DECLARATION BY THE INVENTOR

Docket Number (Optional)

SAT-38-RE

I hereby declare that:

Each inventor's residence, mailing address and citizenship are stated below next to their name.

I believe the inventors named below to be the original and first inventor(s) of the subject matter which is described and claimed in patent number 6,326,747, granted December 4, 2001 and for which a reissue patent is sought on the invention entitled \_\_\_\_\_

METHOD AND DEVICE FOR SYNCHRONIZATION CONTROL

the specification of which

☐ is attached hereto.☒ was filed on November 26, 2003 as reissue application number \_\_\_\_\_

and was amended on November 26, 2003  
(If applicable)

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

☒ I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b). Attached is form PTO/SB/02B (or equivalent) listing the foreign applications.

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)

☐ by reason of a defective specification or drawing.☒ by reason of the patentee claiming more or less than he had the right to claim in the patent.☐ by reason of other errors.

At least one error upon which reissue is based is described below. If the reissue is a broadening reissue, such must be stated with an explanation as to the nature of the broadening:

The point of claim 2 is to use a means for electrically generating pulses equivalent to the output of the encoder Pm in the master section when the motor Mm and encoder Pm are not in the master section. Thus, claim 2 should recite that the Z phase pulse signal is not generated on rotation of a real electric motor in the master section and delete the reference to motor or encoder is in the master section.

(Page 1 of 2)

This collection of information is required by 37 CFR 1.175. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



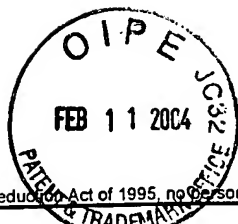
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(REISSUE APPLICATION DECLARATION BY THE INVENTOR, page 2)				Docket Number (Optional) SAT-38-RE	
All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant.					
Note: To appoint a power of attorney, use form PTO/SB/81.					
Correspondence Address: Direct all communications about the application to:					
<input checked="" type="checkbox"/> Customer Number.		20311			
OR					
<input checked="" type="checkbox"/> Firm or Individual Name		Muserlian, Lucas and Mercanti, LLP			
Address		475 Park Avenue South			
Address		15th Floor			
City		New York		State N.Y.	Zip 10016
Country		U.S.A.			
Telephone		(212) 661-8000		Fax (212)	661-8002
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.					
Full name of sole or first inventor (given name, family name) Noriyuki SHIBA					
Inventor's signature <i>Noriyuki Shiba</i>			Date December 27, 2003		
Residence 44-19, Kamimeguro 3-chome			Citizenship Japanese		
Mailing Address Meguro-ku, Tokyo, Japan					
Full name of second joint inventor (given name, family name) Keiichi FUKUSHIMA					
Inventor's signature <i>Keiichi Fukushima</i>			Date JANUARY 28, 2004		
Residence 6-32, Higashi Kashiwa-gaya			Citizenship Japanese		
Mailing Address 4-chome, Ebina-shi, Kanagawa, Japan					
Full name of third joint inventor (given name, family name) Takeshi MITSUHASHI					
Inventor's signature <i>Takeshi Mitsuhashi</i>			Date January 20, 2004		
Residence 6-32, Higashi Kashiwa-gaya			Citizenship Japanese		
Mailing Address 4-chome, Ebina-shi, Kanagawa, Japan					
<input checked="" type="checkbox"/> Additional joint inventors or legal representative(s) are named on separately numbered sheets forms PTO/SB/02A or 02LR attached hereto.					



PTO/SB/02A (08-03)

Approved for use through 08/31/2003. OMB 0651-0032

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**DECLARATION****ADDITIONAL INVENTOR(S)**

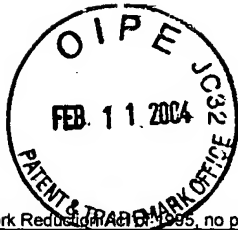
Supplemental Sheet

Page 3 of 2

<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Ikuo KOTANI		KOTANI	
Inventor's Signature <i>Ikuo Kotani</i>		Date <i>January 27, 2004</i>	
Residence: City Kanagawa	State Japan	Country Japan	Citizenship Japanese
Mailing Address 6-32, Higashi Kashiwa-gaya			
Mailing Address 4-chome, Ebina-shi			
City Kanagawa	State Japan	Zip	Country Japan
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
Mailing Address			
City	State	Zip	Country
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
Mailing Address			
City	State	Zip	Country

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/81 (09-03)

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Under the Paperwork Reduction Project (PTO/SB-96), no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**POWER OF ATTORNEY  
and  
CORRESPONDENCE ADDRESS  
INDICATION FORM**

Application Number	
Filing Date	Concurrently herewith
First Named Inventor	Noriyuki SHIBA, et al
Title	Method and Device... Control
Art Unit	2837
Examiner Name	B. Ro
Attorney Docket Number	SAT-38-RE

I hereby appoint:

☒ Practitioners associated with the Customer Number:

20311

OR

☒ Practitioner(s) named below:

Name	Registration Number
Donald C. Lucas	31,275
Charles A. Muserlian	19,683
Michael N. Mercanti	33,966
Sapna D. Gadhia	48,978

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

☒ The address associated with the above-mentioned Customer Number:

OR

☐ The address associated with Customer Number:

OR

☒ Firm or Individual Name Muserlian, Lucas and Mercanti, LLP

Address 475 Park Avenue South

Address

City New York State N.Y. Zip 10016

Country U.S.A.

Telephone (212) 661-8000 Fax (212) 661-8002

I am the:

☒ Applicant/Inventor.☐ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)**SIGNATURE of Applicant or Assignee of Record**

Name Noriyuki SHIBA

Signature *Noriyuki Shiba*Date *December 27, 2003*

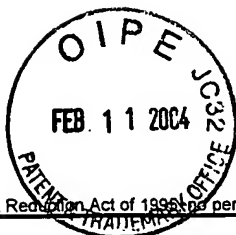
Telephone

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☒ \*Total of 4 forms are submitted.

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**POWER OF ATTORNEY  
and  
CORRESPONDENCE ADDRESS  
INDICATION FORM**

Application Number	
Filing Date	Concurrently herewith
First Named Inventor	Noriyuki SHIBA, et al
Title	Method and Device... Control
Art Unit	2837
Examiner Name	B. Ro
Attorney Docket Number	SAT-38-RE

I hereby appoint:

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OR

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Name	Registration Number
Donald C. Lucas	31,275
Charles A. Muserlian	19,683
Michael N. Mercanti	33,966
Sapna D. Gadhia	48,978

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

☒ The address associated with the above-mentioned Customer Number:

OR

☐ The address associated with Customer Number:

OR

<input checked="" type="checkbox"/> Firm or Individual Name	Muserlian, Lucas and Mercanti, LLP				
Address	475 Park Avenue South				
Address					
City	New York	State	N.Y.	Zip	10016
Country	U.S.A.				
Telephone	(212) 661-8000	Fax	(212) 661-8002		

I am the:

☒ Applicant/Inventor.☐ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)**SIGNATURE of Applicant or Assignee of Record**

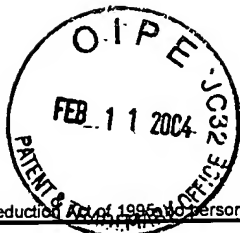
Name	Keiichi FUKUSHIMA		
Signature	<i>Keiichi Fukushima</i>		
Date	JANUARY 28, 2004	Telephone	

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☒ \*Total of 4 forms are submitted.

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Application Number	
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First Named Inventor	Noriyuki SHIBA, et al
Title	Method and Device for Control
Art Unit	2837
Examiner Name	B. Ro
Attorney Docket Number	SAT-38-RE

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<input checked="" type="checkbox"/> Firm or Individual Name	Muserlian, Lucas and Mercanti, LLP				
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Address					
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Country	U.S.A.				
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Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)**SIGNATURE of Applicant or Assignee of Record**

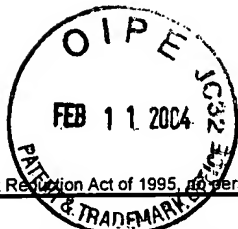
Name	Takeshi MITSUHASHI		
Signature	Takeshi Mitsuhashi		
Date	January 20, 2004	Telephone	

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☒ \*Total of 4 forms are submitted.

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Application Number	
Filing Date	Concurrently herewith
First Named Inventor	Noriyuki SHIBA, et al
Title	Method and Device... Control
Art Unit	2837
Examiner Name	B. Ro
Attorney Docket Number	SAT-38-RE

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Charles A. Muserlian	19,683
Michael N. Mercanti	33,966
Sapna D. Gadhia	48,978

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☐ The address associated with Customer Number:

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<input checked="" type="checkbox"/> Firm or Individual Name	Muserlian, Lucas and Mercanti, LLP				
Address	475 Park Avenue South				
Address					
City	New York	State	N.Y.	Zip	10016
Country	U.S.A.				
Telephone	(212) 661-8000	Fax	(212) 661-8002		

I am the:

☒ Applicant/Inventor.☐ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)**SIGNATURE of Applicant or Assignee of Record**

Name	Ikuro KOTANI		
Signature	Ikuro Kotani		
Date	January 27, 2004	Telephone	

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☒ \*Total of 4 forms are submitted.

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If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



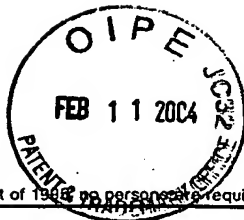
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<b>REISSUE APPLICATION: CONSENT OF ASSIGNEE; STATEMENT OF NON-ASSIGNMENT</b>		<b>Docket Number (Optional)</b> SAT-38-RE
This is part of the application for a reissue patent based on the original patent identified below.		
Name of Patentee(s) Kabushiki Kaisya Tokyo Kikai, Seisakusho		
Patent Number 6,326,747	Date Patent Issued December 4, 2001	
Title of Invention METHOD AND DEVICE FOR SYNCHRONIZATION CONTROL		
<p>1. <input checked="" type="checkbox"/> Filed herein is a statement under 37 CFR 3.73(b). (Form PTO/SB/96)</p> <p>2. <input type="checkbox"/> Ownership of the patent is in the inventor(s), and no assignment of the patent is in effect.</p> <p>One of boxes 1 or 2 above must be checked. If multiple assignees, complete this form for each assignee. If box 2 is checked, skip the next entry and go directly to "Name of Assignee".</p> <p>The written consent of all assignees and inventors owning an undivided interest in the original patent is included in this application for reissue.</p>		
<p>The assignee(s) owning an undivided interest in said original patent is/are <b>Kabushiki Kaisya</b> and the assignee(s) consents to the accompanying application for reissue. <b>Tokyo Kikai Seisakusho</b></p>		
Name of assignee/inventor (if not assigned) <b>Kabushiki Kaisya Tokyo Kikai Seisakusho</b>		
Signature $\checkmark$ <i>Kohei Shiba</i>	Date $\checkmark$ DEC. 27, 2003	
Typed or printed name and title of person signing for assignee (if assigned) <b>Kohei Shiba</b> <b>President</b>		

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.





0528345

PTO/SB/96 (08-00)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Kabushiki Kaisya Tokyo Kikai SeisakushoApplication No./Patent No.: 6,326,747 Filed/Issue Date: December 4, 2001Entitled: METHOD AND DEVICE FOR SYNCHRONIZATION CONTROLKabushiki Kaisya TokyoKikai Seisakusho, a Corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by, percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☐ Copies of assignments or other documents in the chain of title are attached.  
[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

✓ DEC. 27, 2003  
DateKohei Shiba

Typed or printed name

✓ Kohei Shiba  
SignaturePresident

Title

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.